

monitor the transfer of electricity between the battery wherein total transfer of all of the electricity from the battery is prevented;

transfer electricity between the infrastructure and the battery of the electric vehicle during off peak hours; adjust a charge of the battery of the electric vehicle; and adjust a parking fee corresponding to the amount of electricity that is transferred through the electric vehicle.

16. A method for transferring electric energy between an electric vehicle to an infrastructure comprising:

- a step for coupling the electric vehicle to an electrical transfer interface;
- a step for specifying an amount of electricity for transferring between a battery and the infrastructure;
- a step for transferring electricity between the battery in the electric vehicle and the infrastructure during peak electric hours wherein the infrastructure uses the electricity from the battery as electric power;
- a step for monitoring the transfer of electricity between the battery wherein total transfer of all of the electricity from the battery is prevented;

a step for transferring electricity between the infrastructure and the battery of the electric vehicle during off peak hours;

a step for adjusting a charge of the battery of the electric vehicle; and

a step for reducing a parking fee by the amount of electricity that is transferred from the electric vehicle.

17. A electric vehicle, comprising:

a battery;

an interface to couple to an electrical transfer interface which is coupled to an infrastructure;

wherein the vehicle is configured to:

specify an amount of electricity for transferring between a battery and the infrastructure;

transfer electricity from the battery to the infrastructure during peak electric hours;

prevent total transfer of all of the electricity from the battery;

receive electricity from the infrastructure to charge the battery during off peak hours;

adjust a charge of the battery of the electric vehicle; and reduce a parking fee corresponding to the amount of electricity that is transferred

* * * * *